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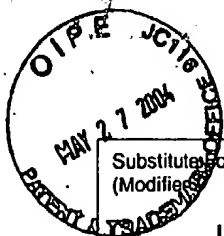
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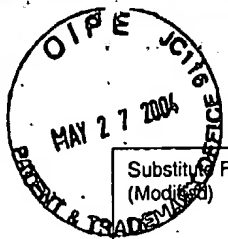


Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-133001	Application No. 09/476,303
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Gilbert Wolrich et al.	
		Filing Date 12/30/99	Group Art Unit 2144

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
MDT	AA	6,694,380	02/17/2004	Wolrich et al.			
MDT	AB	6,681,300	01/20/2004	Wolrich et al.			
MDT	AC	6,668,317	12/23/2003	Bernstein et al.			
MDT	AD	6,667,920	06/09/2003	Wolrich et al.			
MDT	AE	6,661,794	12/09/2003	Wolrich et al.			
MDT	AF	6,631,462	10/07/2003	Wolrich et al.			
MDT	AG	6,631,430	10/07/2003	Wolrich et al.			
MDT	AH	6,625,654	09/23/2003	Wolrich et al.			
MDT	AI	6,606,704	08/12/2003	Adiletta et al.			
MDT	AJ	6,587,906	07/01/2003	Wolrich et al.			
MDT	AK	6,584,522	06/24/2003	Wolrich et al.			
MDT	AL	6,577,542	06/10/2003	Wolrich et al.			
MDT	AM	6,560,667	05/06/2003	Wolrich et al.			
MDT	AN	6,552,826	04/22/2003	Adler et al.			
MDT	AO	6,532,509	03/11/2003	Wolrich et al.			
MDT	AP	6,463,072	10/08/2002	Wolrich et al.			
MDT	AQ	6,434,145	08/13/2002	Opsasnick et al.			
MDT	AR	6,430,626	08/06/2002	Witkowski et al.			
MDT	AS	6,427,196	07/30/2002	Adiletta et al.			
MDT	AT	6,426,940	07/30/2002	Seo et al.			
MDT	AU	6,415,338	07/02/2002	Habot			
MDT	AV	6,389,449	05/14/2002	Nermirovsky et al.			
MDT	AW	6,373,848	04/16/2002	Allison et al.			
MDT	AX	6,356,692	03/12/2002	Kasper et al.			
MDT	AY	6,347,344	02/12/2002	Baker et al.			
MDT	AZ	6,345,334	02/05/2002	Nakagawa et al.			
MDT	AAA	6,324,624	11/27/01	Wolrich et al.			

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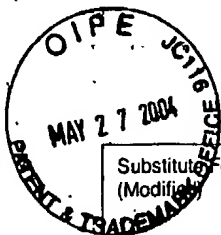


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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
MDT	BA	6,307,789	10/23/2001	Wolrich et al.			
MDT	BB	6,298,370	10/02/2001	Tang et al.			
MDT	BC	6,289,011	09/11/2001	Seo et al.			
MDT	BD	6,279,113	08/21/2001	Vaidya			
MDT	BE	6,275,505	08/14/2001	O'Loughlin et al.			
MDT	BF	6,272,616	08/07/2001	Fernando et al.			
MDT	BG	6,256,713	07/03/2001	Audityan et al.			
MDT	BH	6,247,025	06/12/2001	Bacon			
MDT	BI	6,223,279	04/24/2001	Nishimura et al.			
MDT	BJ	6,223,238	04/24/2001	Meyer et al.			
MDT	BK	6,216,220	04/10/2001	Hwang			
MDT	BL	6,212,611	04/03/2001	Nizar et al.			
MDT	BM	6,212,542	04/03/2001	Kahle et al.			
MDT	BN	6,201,807	03/18/2001	Prasanna			
MDT	BO	6,199,133	03/06/2001	Schnell			
MDT	BP	6,195,676	02/27/2001	Spix et al.			
MDT	BQ	6,182,177	01/30/2001	Harriman			
MDT	BR	6,160,562	12/12/2000	Chin et al.			
MDT	BS	6,157,955	12/05/2000	Narad et al.			
MDT	BT	6,145,054	11/07/2000	Mehrotra et al.			
MDT	BU	6,144,669	11/07/2000	Williams et al.			
MDT	BV	6,134,665	10/17/2000	Klein et al.			
MDT	BW	6,112,016	08/29/2000	MacWilliams et al.			
MDT	BX	6,092,158	07/18/2000	Harriman et al.			
MDT	BY	6,092,127	07/18/2000	Tausheck			
MDT	BZ	6,085,294	07/04/2000	Van Doren et al.			
MDT	BAA	6,085,215	07/04/2000	Ramakrishnan et al.			

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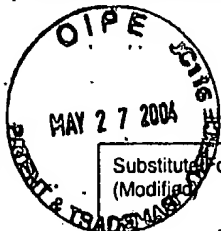


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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
MDT	CA	6,079,008	06/20/2000	Clery, III			
MDT	CB	6,073,215	06/06/2000	Snyder			
MDT	CC	6,072,781	06/06/2000	Feeney et al.			
MDT	CD	6,070,231	05/30/2000	Ottinger			
MDT	CE	6,067,585	05/23/2000	Hoang			
MDT	CF	6,058,168	05/02/2000	Braband			
MDT	CG	6,023,742	02/08/2000	Ebeling et al.			
MDT	CH	6,014,729	01/11/2000	Lannan et al.			
MDT	CI	5,983,274	11/09/1999	Hyder et al.			
MDT	CJ	5,978,838	11/02/1999	Mohammed et al.			
MDT	CK	5,978,838	11/02/1999	Heinrich et al.			
MDT	CL	5,970,013	10/19/1999	Fischer et al.			
MDT	CM	5,961,628	10/05/1999	Nguyen et al.			
MDT	CN	5,958,031	09/28/1999	Kime			
MDT	CO	5,948,081	09/07/1999	Foster			
MDT	CP	5,946,487	08/31/1999	Dangelo			
MDT	CQ	5,940,866	08/17/1997	Chisholm et al.			
MDT	CR	5,940,612	08/17/1999	Brady et al.			
MDT	CS	5,937,187	08/21/1995	Kosche et al.			
MDT	CT	5,928,736	08/17/1999	Muller et al.			
MDT	CU	5,915,123	06/22/1999	Mirsky et al.			
MDT	CV	5,905,889	05/18/1999	Wilhelm, Jr.			
MDT	CW	5,905,876	08/18/1999	Pawlowski et al.			
MDT	CX	5,892,979	04/06/1999	Shiraki et al.			
MDT	CY	5,890,208	03/30/1999	Kwon			
MDT	CZ	5,887,134	03/23/1999	Ebrahim			
MDT	CAA	5,886,992	03/23/1999	Raatikaen et al.			

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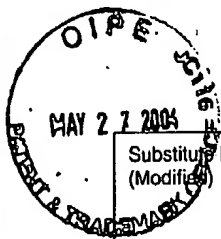


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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
MDT	DA	5,860,158	01/12/1999	Pai et al.			
MDT	DB	5,854,922	12/29/1998	Gravenstein et al.			
MDT	DC	5,835,755	11/10/1998	Stellwagen, Jr.			
MDT	DD	5,832,215	11/03/1998	Kato et al.			
MDT	DE	5,828,863	10/27/1998	Barrett et al.			
MDT	DF	5,812,868	11/22/1998	Moyer et al.			
MDT	DG	5,809,530	09/15/1998	Samra et al.			
MDT	DH	5,797,043	08/18/1998	Lewis et al.			
MDT	DI	5,796,413	08/18/1998	Shipp et al.			
MDT	DJ	5,784,712	07/21/1998	Byers et al.			
MDT	DK	5,784,649	07/21/1998	Begur et al.			
MDT	DL	5,781,774	07/14/1998	Krick			
MDT	DM	5,761,522	06/02/1998	Hisanga et al.			
MDT	DN	5,751,987	04/12/1998	Mahant-Shetti et al.			
MDT	DO	5,745,913	04/28/1998	Pattin et al.			
MDT	DP	5,742,822	04/21/1998	Motomura			
MDT	DQ	5,742,782	04/21/1998	Ito et al.			
MDT	DR	5,721,870	02/24/1998	Matsumoto			
MDT	DS	5,717,898	02/10/1998	Kagan et al.			
MDT	DT	5,699,537	12/16/1997	Sharangpani et al.			
MDT	DU	5,689,566	11/18/1997	Nguyen			
MDT	DV	5,680,641	10/21/1997	Sidman			
MDT	DW	5,659,687	08/19/1997	Kim et al.			
MDT	DX	5,649,157	07/15/1997	Williams			
MDT	DY	5,644,623	07/01/1997	Gutledge			
MDT	DZ	5,630,641	05/13/1997	Perotto et al.			
MDT	DAA	5,627,829	05/06/1997	Gleeson et al.			

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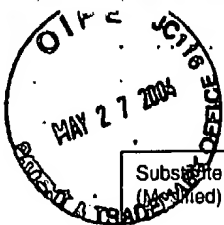
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
MDT	EA	5,623,489	04/22/1997	Cotton et al.			
MDT	EB	5,613,136	03/18/1997	Casavant et al.			
MDT	EC	5,613,071	03/18/1997	Rankin et al.			
MDT	ED	5,592,622	01/07/1997	Isfeld et al.			
MDT	EE	5,574,922	11/12/1996	James			
MDT	EF	5,568,617	10/22/1996	Kametani			
MDT	EG	5,557,766	09/17/1996	Tagiguchi et al.			
MDT	EH	5,542,088	07/30/1996	Jennings, Jr. et al.			
MDT	EI	5,542,070	07/30/1996	LeBlanc et al.			
MDT	EJ	5,517,648	05/14/1996	Bertone et al.			
MDT	EK	5,467,452	11/14/1995	Blum et al.			
MDT	EL	5,459,842	10/17/1995	Begun et al.			
MDT	EM	5,452,437	09/19/1995	Richey et al.			
MDT	EN	5,450,351	09/12/1995	Heddes			
MDT	EO	5,448,702	09/05/1995	Garcia, Jr. et al.			
MDT	EP	5,432,918	07/11/1995	Stamm			
MDT	EQ	5,404,484	04/04/1995	Bennett			
MDT	ER	5,404,482	04/04/1995	Stamm et al.			
MDT	ES	5,392,412	02/21/1995	McKenna			
MDT	ET	5,392,411	02/21/1995	Ozaki			
MDT	EU	5,392,391	02/21/1995	Caulk, Jr. et al.			
MDT	EV	5,390,329	02/14/1995	Gaertner et al.			
MDT	EW	5,367,678	11/22/1994	Lee et al.			
MDT	EX	5,347,648	09/13/1994	Stamm et al.			
MDT	EY	5,263,169	11/16/1993	Genusov et al.			
MDT	EZ	5,255,239	10/19/1993	Taborn et al.			
MDT	EAA	5,173,897	12/22/1992	Schrodi et al.			

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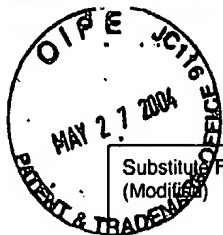


Substitute Form PTO-1449 (Rev. 11/97)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-133001	Application No. 09/476,303
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U.S. Patent Documents							
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MDT	FA	5,173,897	12/22/1992	Pfeiffer et al.			
MDT	FB	5,168,555	12/01/1992	Byers et al.			
MDT	FC	5,155,854	10/13/1992	Flynn et al.			
MDT	FD	5,155,831	10/13/1992	Emma et al.			
MDT	FE	5,142,683	08/25/1992	Burkhardt, Jr. et al.			
MDT	FF	5,140,685	08/18/1992	Sipple et al.			
MDT	FG	4,866,664	09/12/1989	Burkhardt, Jr. et al.			
MDT	FH	4,745,544	05/17/1988	Renner et al.			
MDT	FI	4,523,272	06/11/1985	Fukunaga et al.			
MDT	FJ	4,514,807	04/30/1985	Nogi			
MDT	FK	4,400,770	08/23/1983	Chan et al.			
MDT	FL	4,130,890	12/19/1978	Adam			
MDT	FM	3,940,745	02/24/1976	Sajeva			
MDT	FN	3,792,441	02/12/1974	Wymore et al.			
MDT	FO	3,478,322	11/11/1969	Evans			
MDT	FP	3,373,408	03/12/1968	Ling			
MDT	FQ	10/726,757	12/03/2003	Wolrich et al.			
MDT	FR	10/684,078	10/10/2003	Wolrich et al.			
MDT	FS	10/664,202	09/16/2003	Wolrich et al.			
MDT	FT	10/644,337	08/20/2003	Wolrich et al.			
MDT	FU	10/643,438	08/19/2003	Bernstein et al.			
MDT	FV	10/615,500	07/08/2003	Adiletta			
MDT	FW	10/615,280	07/08/2003	Wolrich et al.			
	<del>FX</del>	<del>10/449,079</del>	<del>05/15/2003</del>	<del>Wolrich et al.</del>			
MDT	FY	10/208,264	07/30/2002	Adiletta et al.			
	<del>FZ</del>	<del>09/476,303</del>	<del>12/30/1999</del>	<del>Wolrich et al.</del>			
	FAA	09/475,614	12/30/1999	Wolrich at al.			

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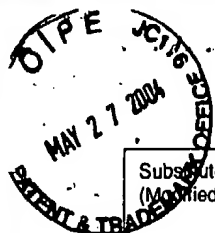
U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
MDT	GA	09/473,571	12/28/1999	Wolrich et al.			
MDT	GB	09/387,109	08/31/1999	Adiletta et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MDT	GC	WO 01/50679,	07/12/2001	WIPO				
MDT	GD	WO 01/50247	07/12/2001	WIPO				
MDT	GE	WO 01/48619	07/05/2001	WIPO				
MDT	GF	WO 01/48606	07/05/2001	WIPO				
MDT	GG	WO 01/48596	07/05/2001	WIPO				
MDT	GH	WO 01/16782	03/08/2001	WIPO				
MDT	GI	WO 01/16770	03/08/2001	WIPO				
MDT	GJ	WO 01/16769	03/08/2001	WIPO				
MDT	GK	WO 01/15718	03/08/2001	WIPO				
MDT	GL	WO 97/38372	10/16/1997	WIPO				
MDT	GM	WO 94/15287	07/07/1994	WIPO				
MDT	GN	EP 0 809 180	11/26/1997	Europe				
MDT	GO	EP 0 745 933	12/04/1996	Europe				
MDT	GP	EP 0 633 678	01/11/1995	Europe				
MDT	GQ	EP 0 464 715	01/08/1992	Europe				
MDT	GR	EP 0 379 709	08/01/1990	Europe				
MDT	GS	59111533	06/27/1984	Japan				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
MDT	GT	Byrd et al., "Multithread Processor Architectures," <i>IEEE Spectrum</i> , Vol. 32, No. 8, New York, 1 August 1995, pp. 38-46.
MDT	GU	Doyle et al., <i>Microsoft Press Computer Dictionary</i> , 2 <sup>nd</sup> ed., Microsoft Press, Redmond, Washington, USA, 1994, p. 326.

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Other Documents (include Author, Title, Date, and Place of Publication)		
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MDT	HA	Fillo et al., "The M-Machine Multicomputer," IEEE Proceedings of MICRO-28, 1995, pp. 146-156.
MDT	HB	Gomez et al., "Efficient Multithreaded User-Space Transport for Network Computing: Design and Test of the TRAP Protocol," <i>Journal of Parallel and Distributed Computing</i> , Academic Press, Duluth, Minnesota, USA, vol. 40, no. 1, 10 January 1997, pp. 103-117.
MDT	HC	Haug et al., "Reconfigurable hardware as shared resource for parallel threads," IEEE Symposium on FPGAs for Custom Computing Machines, 1998.
MDT	HD	Hauser et al., "Garp: a MIPS processor with a reconfigurable coprocessor," Proceedings of the 5 <sup>th</sup> Annual IEEE Symposium on Field-Programmable Custom Computing Machines, 1997.
MDT	HE	Hyde, R., "Overview of Memory Management," <i>Byte</i> , vol. 13, no. 4, 1998, pp. 219-225. ✓
MDT	HF	Litch et al., "StrongARMing Portable Communications," IEEE Micro, 1998, pp. 48-55. ✓
MDT	HG	Schmidt et al., "The Performance of Alternative Threading Architectures for Parallel Communication Subsystems," Internet Document, <i>Online!</i> , 13 November 1998. ✓
MDT	HH	Thistle et al., "A Processor Architecture for Horizon," IEEE, 1998, pp. 35-41. ✓
MDT	HI	Tremblay et al., "A Three Dimensional Register File for Superscalar Processors," IEEE Proceedings of the 28 <sup>th</sup> Annual Hawaii International Conference on System Sciences, 1995, pp. 191-201. ✓
MDT	HJ	Trimberger et al., "A time-multiplexed FPGA," Proceedings of the 5 <sup>th</sup> Annual IEEE Symposium on Field-Programmable Custom Computing Machines, 1998. ✓
MDT	HK	Turner et al., "Design of a High Performance Active Router," Internet Document, <i>Online</i> , 18 March 1999. ✓
MDT	HL	Vibhatavanijt et al., "Simultaneous Multithreading-Based Routers," Proceedings of the 2000 International Conference of Parallel Processing, Toronto, Ontario, Canada, 21-24 August 2000, pp. 362-359. ✓
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Examiner Signature <b>M THOMPSON</b>	Date Considered <b>8/6/2004</b>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	